EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	2	("5939438"|"6017831").PN.	US-PGPUB; USPAT	OR	ON	2007/08/03 12:10
S1	3	"538997".ap.	US-PGPUB; USPAT	OR	ON	2007/08/03 12:09
S2	2400	514/326.ccls.	US-PGPUB; USPAT	OR	ON	2006/12/13 14:29
S3	1070	546/210.ccls.	US-PGPUB; USPAT	OR	ON	2006/12/13 14:29
S4	733	546/184.ccls.	US-PGPUB; USPAT	OR	ON	2006/12/13 14:29
S5	0	514/210.ccls.	US-PGPUB; USPAT	OR	ON	2006/12/13 14:29
S6	1070	546/210.ccls.	US-PGPUB; USPAT	OR	ON	2006/12/13 14:30
S7	733	546/184.ccls.	US-PGPUB; USPAT	OR	ON	2006/12/13 14:30
S8	844	514/315.ccls.	US-PGPUB; USPAT	OR	ON	2006/12/13 14:31
S9	518	S2 and S3	US-PGPUB; USPAT	OR	ON	2006/12/13 14:31
S10	518	S9 and S6	US-PGPUB; USPAT	OR	ON	2006/12/13 14:32
S11	3	S9 and S4	US-PGPUB; USPAT	OR	ON	2006/12/13 14:32

10/538,997B   Yong Chu   08/03/2007

$%^STN;HighlightOn=;HighlightOff=;

Connecting via Winsock to STN .

Welcome to STN International!   Enter x:x

LOGINID:ssptaylc1626

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * *   Welcome to STN International   * * * * * * * * * *

```
NEWS  1            Web Page for STN Seminar Schedule - N. America
NEWS  2    MAR 15  WPIDS/WPIX enhanced with new FRAGHITSTR display format
NEWS  3    MAR 16  CASREACT coverage extended
·NEWS  4    MAR 20  MARPAT now updated daily
NEWS  5    MAR 22  LWPI reloaded
NEWS  6    MAR 30  RDISCLOSURE reloaded with enhancements
NEWS  7    APR 02  JICST-EPLUS removed from database clusters and STN
NEWS  8    APR 30  GENBANK reloaded and enhanced with Genome Project ID field
NEWS  9    APR 30  CHEMCATS enhanced with 1.2 million new records
NEWS 10    APR 30  CA/CAplus enhanced with 1870-1889 U.S. patent records
NEWS 11    APR 30  INPADOC replaced by INPADOCDB on STN
NEWS 12    MAY 01  New CAS web site launched
NEWS 13    MAY 08  CA/CAplus Indian patent publication number format defined
NEWS 14    MAY 14  RDISCLOSURE on STN Easy enhanced with new search and display
                   fields
NEWS 15    MAY 21  BIOSIS reloaded and enhanced with archival data
NEWS 16    MAY 21  TOXCENTER enhanced with BIOSIS reload
NEWS 17    MAY 21  CA/CAplus enhanced with additional kind codes for German
                   patents
NEWS 18    MAY 22  CA/CAplus enhanced with IPC reclassification in Japanese
                   patents
NEWS 19    JUN 27  CA/CAplus enhanced with pre-1967 CAS Registry Numbers
NEWS 20    JUN 29  STN Viewer now available
NEWS 21    JUN 29  STN Express, Version 8.2, now available
NEWS 22    JUL 02  LEMBASE coverage updated
NEWS 23    JUL 02  LMEDLINE coverage updated
NEWS 24    JUL 02  SCISEARCH enhanced with complete author names
NEWS 25    JUL 02  CHEMCATS accession numbers revised
NEWS 26    JUL 02  CA/CAplus enhanced with utility model patents from China
NEWS 27    JUL 16  CAplus enhanced with French and German abstracts
NEWS 28    JUL 18  CA/CAplus patent coverage enhanced
NEWS 29    JUL 26  USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS 30    JUL 30  USGENE now available on STN

NEWS EXPRESS   29 JUNE 2007:  CURRENT WINDOWS VERSION IS V8.2,
               CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
               AND CURRENT DISCOVER FILE IS DATED 05 JULY 2007.

NEWS HOURS     STN Operating Hours Plus Help Desk Availability
```

=> file reg
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                    ENTRY   SESSION
FULL ESTIMATED COST   0.21   0.21

STRUCTURE FILE UPDATES: 2 AUG 2007   HIGHEST RN 943961-55-5
DICTIONARY FILE UPDATES: 2 AUG 2007   HIGHEST RN 943961-55-5

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

   Please note that search-term pricing does apply when
   conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Documents and Settings\ychu\Desktop\Case\10538997\10538997B.str
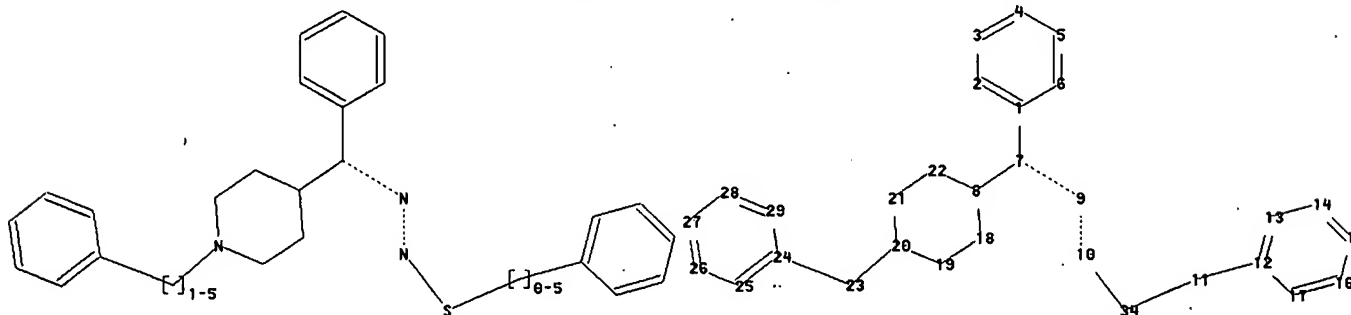
chain nodes :
7 9 10 11 23 34
ring nodes :
1 2 3 4 5 6 8 12 13 14 15 16 17 18 19 20 21 22 24 25 26 27
28 29
chain bonds :
1-7 7-8 7-9 9-10 10-34 11-12 11-34 20-23 23-24
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 8-18 8-22 12-13 12-17 13-14 14-15 15-16 16-17
18-19 19-20 20-21 21-22 24-25 24-29 25-26 26-27 27-28 28-29
exact/norm bonds :
7-9 8-18 8-22 9-10 10-34 11-34 18-19 19-20 20-21 20-23 21-22
exact bonds :
1-7 7-8 11-12 23-24
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 12-13 12-17 13-14 14-15 15-16 16-17 24-25 24-
29
25-26 26-27 27-28 28-29

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:Atom 9:CLASS 10:CLASS
11:CLASS 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom
22:Atom 23:CLASS 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom 34:CLASS

L1   STRUCTURE UPLOADED

=> d
L1 HAS NO ANSWERS
L1   STR
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

=> s l1
SAMPLE SEARCH INITIATED 10:54:12 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   0 TO ITERATE

100.0% PROCESSED   0 ITERATIONS   0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS: 0 TO   0
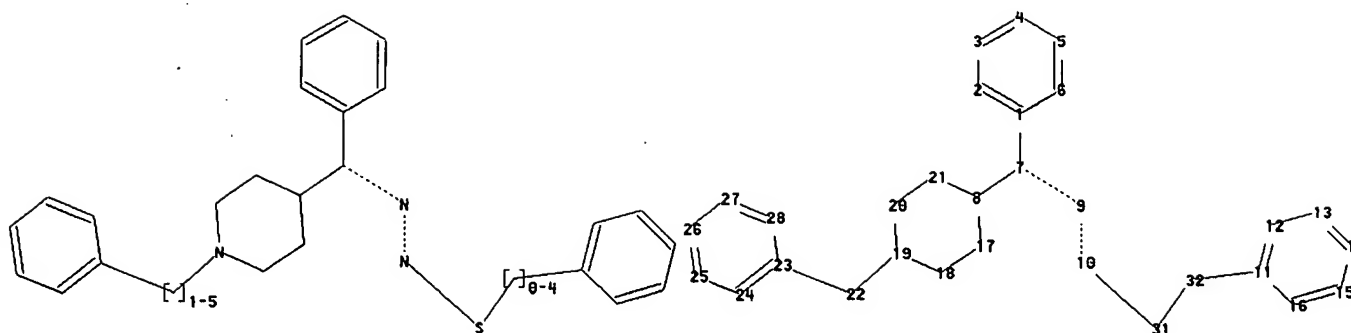PROJECTED ANSWERS: 0 TO   0

L2   0 SEA SSS SAM L1

=>
Uploading C:\Documents and Settings\ychu\Desktop\Case\10538997\10538997B-1.str

chain nodes :
7   9   10   22   31   32
ring nodes :
1   2   3   4   5   6   8   11   12   13   14   15   16   17   18   19   20   21   23   24   25   26
27   28
chain bonds :
1-7.   7-8   7-9   9-10   10-31   11-32   19-22   22-23   31-32
ring bonds :
1-2   1-6   2-3   3-4   4-5   5-6   8-17   8-21   11-16   11-12   12-13   13-14   14-15   15-16
17-18   18-19   19-20   20-21   23-24   23-28   24-25   25-26   26-27   27-28
exact/norm bonds. :
7-9   8-17   8-21   9-10   10-31   17-18   18-19   19-20   19-22   20-21   31-32
exact bonds :
1-7   7-8   11-32   22-23
normalized bonds :
1-2   1-6   2-3   3-4   4-5   5-6   11-16   11-12   12-13   13-14   14-15   15-16   23-24   23-
28
24-25   25-26   26-27   27-28

Match level :
1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   6:Atom   7:CLASS   8:Atom   9:CLASS   10:CLASS
11:Atom   12:Atom   13:Atom   14:Atom   15:Atom   16:Atom   17:Atom   18:Atom   19:Atom
20:Atom   21:Atom
22:CLASS   23:Atom   24:Atom   25:Atom   26:Atom   27:Atom   28:Atom   31:CLASS   32:CLASS

L3   STRUCTURE UPLOADED

=> d
L3 HAS NO ANSWERS
L3   STR
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

=> s l1
SAMPLE SEARCH INITIATED 10:56:04 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   0 TO ITERATE

100.0% PROCESSED   0 ITERATIONS   0 ANSWERS
SEARCH TIME: 00.00.01

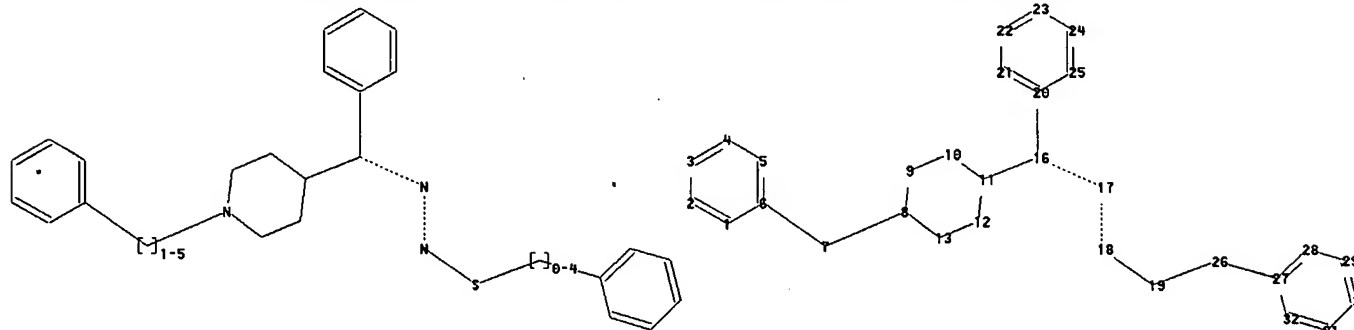FULL FILE PROJECTIONS: ONLINE   **COMPLETE**

                          BATCH   **COMPLETE**
PROJECTED ITERATIONS: 0 TO   0
PROJECTED ANSWERS: 0 TO   0

L4   0 SEA SSS SAM L1

=>
Uploading C:\Documents and Settings\ychu\Desktop\Case\10538997\10538997C.str

chain nodes :
7 16 17 18 19 26
ring nodes :
1 2 3 4 5 6 8 9 10 11 12 13 20 21 22 .23 24 25 27 28 29 30 31
32
chain bonds :
6-7 7-8 11-16 16-17 16-20 17-18 18-19 19-26 26-27
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 8-9 8-13 9-10 10-11 11-12 12-13 20-21 20-25
21-22 22-23 23-24 24-25 27-28 27-32 28-29 29-30 30-31 31-32
exact/norm bonds :
7-8 8-9 8-13 9-10 10-11 11-12 12-13 16-17 17-18 18-19 19-26
exact bonds :
6-7 11-16 16-20 26-27
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 20-21 20-25 21-22 22-23 23-24 24-25 27-28 27-
32
28-29 29-30 30-31 31-32

Match level :
1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   6:Atom   7:CLASS   8:Atom   9:Atom   10:Atom
11:Atom   12:Atom   13:Atom   16:CLASS   17:CLASS   18:CLASS   19:CLASS   20:Atom   21:Atom
22:Atom   23:Atom
24:Atom   25:Atom   26:CLASS   27:Atom   28:Atom. 29:Atom   30:Atom   31:Atom   32:Atom

L5   STRUCTURE UPLOADED

=> d
L5 HAS NO ANSWERS
L5   STR
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

```
=> s 15
SAMPLE SEARCH INITIATED 11:01:02 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -          0 TO ITERATE

100.0% PROCESSED          0 ITERATIONS                    0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:   ONLINE   **COMPLETE**
                         BATCH    **COMPLETE**
PROJECTED ITERATIONS:             0 TO        0
PROJECTED ANSWERS:                0 TO        0

L6              0 SEA SSS SAM L5

=>
Uploading C:\Documents and Settings\ychu\Desktop\Case\10538997\10538997C-1.str
```
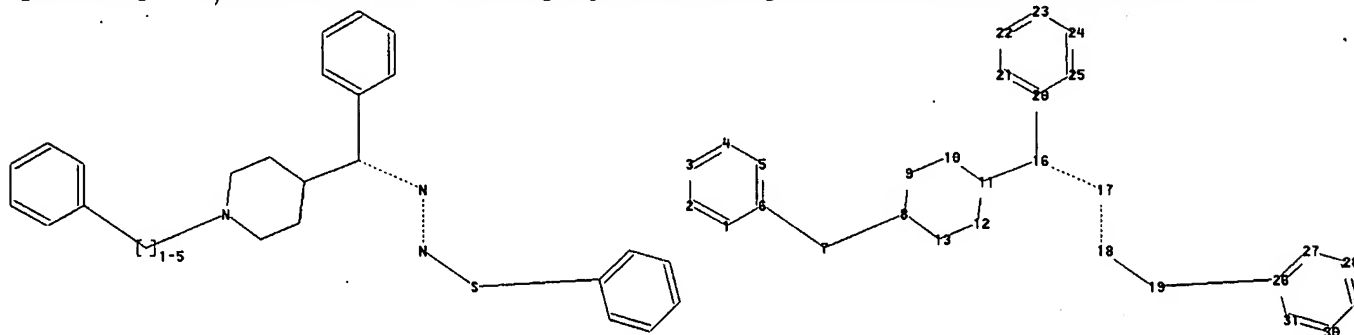


```
chain nodes :
7  16  17  18  19
ring nodes :
1  2  3  4  5  6  8  9  10  11  12  13  20  21  22  23  24  25  26  27  28  29  30
31
chain bonds :
6-7  7-8  11-16  16-17  16-20  17-18  18-19  19-26
ring bonds :
1-2  1-6  2-3  3-4  4-5  5-6  8-9  8-13  9-10  10-11  11-12  12-13  20-21  20-25
21-22  22-23  23-24  24-25  26-31  26-27  27-28  28-29  29-30  30-31
exact/norm bonds :
7-8  8-9  8-13  9-10  10-11  11-12  12-13  16-17  17-18  18-19  19-26
exact bonds :
6-7  11-16  16-20
normalized bonds :
1-2  1-6  2-3  3-4  4-5  5-6  20-21  20-25  21-22  22-23  23-24  24-25  26-31  26-
27
27-28  28-29  29-30  30-31


Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:CLASS  8:Atom  9:Atom  10:Atom
11:Atom  12:Atom  13:Atom  16:CLASS  17:CLASS  18:CLASS  19:CLASS  20:Atom  21:Atom
22:Atom  23:Atom
24:Atom  25:Atom  26:Atom  27:Atom  28:Atom  29:Atom  30:Atom  31:Atom



L7       STRUCTURE UPLOADED
```

```
=> d
L7 HAS NO ANSWERS
L7                STR
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.


=> s l7
SAMPLE SEARCH INITIATED 11:02:02 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -          1 TO ITERATE

100.0% PROCESSED        1 ITERATIONS                               0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:   ONLINE   **COMPLETE**
                         BATCH    **COMPLETE**
PROJECTED ITERATIONS:            1 TO         80
PROJECTED ANSWERS:               0 TO          0


L8             0 SEA SSS SAM L7

=> s l7 full
FULL SEARCH INITIATED 11:02:10 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -       11 TO ITERATE

100.0% PROCESSED       11 ITERATIONS                               2 ANSWERS
SEARCH TIME: 00.00.01

L9             2 SEA SSS FUL L7

=> file caplus
COST IN U.S. DOLLARS       .                  SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                               177.95     178.16

FILE 'CAPLUS' ENTERED AT 11:02:18 ON 03 AUG 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)


Copyright of the articles to which records in this database refer is
held by the publishers listed in the PUBLISHER (PB) field (available
for records published or updated in Chemical Abstracts after December
26, 1996), unless otherwise indicated in the original publications.
The CA Lexicon is the copyrighted intellectual property of the
American Chemical Society and is provided to assist you in searching
databases on STN.  Any dissemination, distribution, copying, or storing
of this information, without the prior written consent of CAS, is
strictly prohibited.

FILE COVERS 1907 - 3 Aug 2007  VOL 147 ISS 7
FILE LAST UPDATED: 2 Aug 2007  (20070802/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html
```

```
=> s 19
L10          1 L9

=> d ibib abs hitstr tot

L10  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:        2004:589533  CAPLUS  Full-text
DOCUMENT NUMBER:        141:140464
TITLE:                  N-(substituted arylmethyl)-4-(disubstituted
                        methyl)piperidines and piperazines
INVENTOR(S):            Ding, Ping; Henrie, Robert N., II; Cohen, Daniel H.;
                        Lyga, John W.; Rosen, David S.; Theodoridis, George;
                        Zhang, Qun; Yeager, Walter H.; Donovan, Stephen F.;
                        Zhang, Steven Shunxiang; Shulman, Inna; Yu, Seong Jae;
                        Wnag, Gouzhi; Zhang, Y. Larry; Gopalsamy, Ariamala;
                        Warkentin, Dennis L.; Rensner, Paul E.; Silverman, Ian
                        R.; Cullen, Thomas G.
PATENT ASSIGNEE(S):     FMC Corporation, USA
SOURCE:                 PCT Int. Appl., 105 pp.
                        CODEN: PIXXD2
DOCUMENT TYPE:          Patent
LANGUAGE:               English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:


     PATENT NO.          KIND   DATE      APPLICATION NO.        DATE
     ---------------     ----   --------  --------------------   --------
     WO 2004060865       A2     20040722  WO 2003-US39046        20031208
     WO 2004060865       A3     20041104
          W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
              CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
              GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
              LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO,
              NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ,
              TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
          RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
              BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,
              ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,
              TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     AU 2003296373       A1     20040729  AU 2003-296373         20031208
     EP 1572668          A2     20050914  EP 2003-814673         20031208
          R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
              IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
     BR 2003016747       A      20051018  BR 2003-16747          20031208
     CN 1729178          A      20060201  CN 2003-80106750       20031208
     CN 1744895          A      20060308  CN 2003-80109445       20031208
     JP 2006511621       T      20060406  JP 2005-508564         20031208
     IN 2005DN02489      A      20061229  IN 2005-DN2489         20050609
     IN 2005DN02485      A      20070427  IN 2005-DN2485         20050609
     ZA 2005004870       A      20060426  ZA 2005-4870           20050614
     ZA 2005004871       A      20060426  ZA 2005-4871           20050614
     US 2006166962       A1     20060727  US 2006-538997         20060208
PRIORITY APPLN. INFO.:                    US 2002-434718P    P   20021218
                                          US 2003-495059P    P   20030814
                                          WO 2003-US39046    W   20031208

OTHER SOURCE(S):        MARPAT 141:140464
GI
```
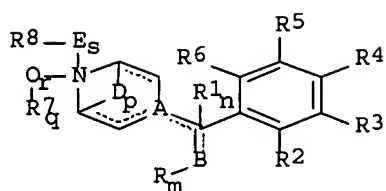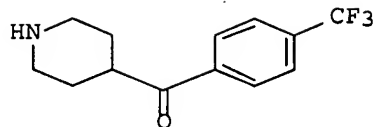
I   II

AB   Title compds. I [m, n, q, r, s = 0-1; p = 0-3; A = CH, N forming a 6-membered azine ring selected from piperidine or piperazine; R2-6 = H, halo, alkyl, etc.; B = O; with provisions] are prepd. For instance, 4-bromobenzotrifluoride is transmetalated (THF, n-BuLi, -75.degree.) and treated with tert-Bu 4-[N-methoxy-N-methylcarbamoyl]piperidine-1- carboxylate to give tert-Bu 4-[(4-(trifluoromethyl)phenyl)carbonyl]piperid ine-1-carboxylate. This intermediate is deprotected to give II. II gave 100% mortality and 100% growth inhibition of tobacco budworms.

IT   725231-43-6P 725231-44-7P
     RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
        (N-(substituted arylmethyl)-4-(disubstituted methyl)piperidines and piperazines)

RN   725231-43-6   CAPLUS
CN   Benzenesulfonic acid, 4-(trifluoromethyl)-, [[1-[[4-(2-ethyl-2H-tetrazol-5-yl)phenyl]methyl]-4-piperidinyl] [4-(trifluoromethoxy)phenyl]methylene]hydr azide (9CI)   (CA INDEX NAME)
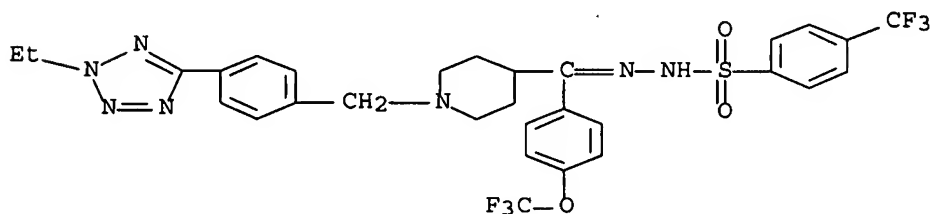
RN   725231-44-7   CAPLUS
CN   Benzenesulfonic acid, 4-(trifluoromethoxy)-, [[1-[[4-(2-ethyl-2H-tetrazol-5-yl)phenyl]methyl]-4-piperidinyl] [4-(trifluoromethoxy)phenyl]methylene]hy drazide (9CI)   (CA INDEX NAME)
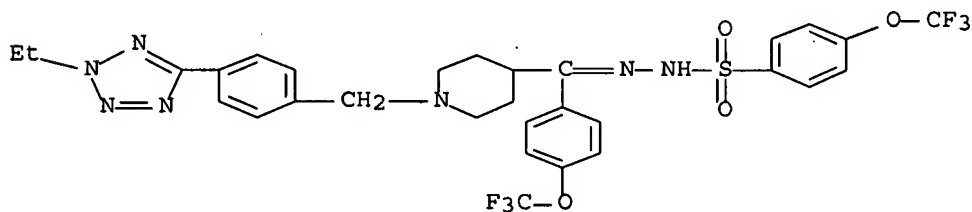
```
=>

---Logging off of STN---


=>
Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS                             SINCE FILE        TOTAL
                                                    ENTRY        SESSION
FULL ESTIMATED COST                                  5.74         183.90

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)       SINCE FILE        TOTAL
                                                    ENTRY        SESSION
CA SUBSCRIBER PRICE                                 -0.78          -0.78

STN INTERNATIONAL LOGOFF AT 11:02:54 ON 03 AUG 2007
```